



9. A construct according to any one of claims 4-7 wherein said open reading frame polynucleotide encodes a peptide which, when expressed in reproductive tissue of a plant, causes said plant's reproductive organs to abort.
- 5 10. A construct according to any one of claims 4-7 wherein said open reading frame polynucleotide encodes a peptide which, when expressed in reproductive tissue of a plant, causes said plant's reproductive organs to redefine themselves as vegetative.
11. A construct according to any one of claims 4-7 wherein said open reading frame polynucleotide encodes a peptide which, when expressed in reproductive tissue of a plant, causes said plant's reproductive organs to stop development.
- 15 12. A construct according to any one of claims 4-7 wherein said open reading frame polynucleotide encodes a peptide which, when expressed in reproductive tissue of a plant, causes cell death.
13. A construct according to claim 12 wherein the peptide which causes cell death is selected from diphtheria toxin A and Barnase.
- 20 14. A construct according to claim 12 wherein the peptide which causes cell death is an RNase.
- 25 15. A construct according to claim 14 wherein said RNase is encoded by the nucleotide sequence of SEQ ID NO. 5.
16. A construct according to any one of claims 4-7 wherein said open reading frame polynucleotide encodes a peptide, which when expressed in reproductive tissue of a flowering plant, causes an alteration in the timing of flowering of said plant.
- 30 17. A construct according to any one of claims 4-16 which further includes:

(d) a selection marker sequence.

18. A construct according to claim 17 in which said selection marker sequence is the NPTII gene.

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19. A transgenic plant cell which includes a construct according to any one of claims 4-18.

20. A transgenic plant which includes a construct according to any one of claims 4-18.

21. A transgenic plant which contains a polynucleotide according to claim 1 or a promoter according to claim 2 or claim 3, which plant has a reduced reproductive capacity.

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22. A transgenic plant according to claim 21 wherein in said plant said polynucleotide or promoter is operatively associated with a nucleotide sequence encoding a peptide, which when expressed in reproductive tissue of the plant, causes the plant's reproductive organs to abort, redefine as vegetative or stop development.

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23. A transgenic plant according to claim 21 wherein in said plant said polynucleotide or promoter is operatively associated with a nucleotide sequence encoding a RNase.

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24. A transgenic plant according to claim 23 in which the RNase has the sequence of SEQ ID NO. 5.

25. A transgenic plant according to any one of claims 20-24 wherein said plant is a coniferous plant.

26. A transgenic plant according to claim 25 which is a coniferous plant of the *Pinus* genus.

27. A transgenic plant according to claim 26 which is a member of a species selected from *Pinus radiata*, *Pinus taeda*, *Pinus elliotti*, *Pinus clausa*, *Pinus palustris*, *Pinus echinata*, *Pinus ponderosa*, *Pinus jeffrey*, *Pinus resinosa*, *Pinus rigida*, *Pinus banksiana*, *Pinus serotina*, *Pinus strobus*, *Pinus monticola*, *Pinus lambertiana*, *Pinus virginiana*, *Pinus contorta*, *Pinus cariboea*, *Pinus pinaster*, *Pinus brutia*, *Pinus eldarica*, *Pinus coulteri*, *Pinus nigra*, *Pinus sylvestris*, *Pinus tecunumannii*, *Pinus keyisia*, *Pinus oocarpa* and *Pinus maximinoii*; and hybrids between any of the above species.

28. A transgenic plant according to any one of claims 20-24 which is a tree.

29. A transgenic plant according to claim 28 which is a member of the *Eucalyptus* genus.

30. A transgenic plant according to claim 29 which is a member of a species selected from; *Eucalyptus alba*, *Eucalyptus bancroftii*, *Eucalyptus botyroides*, *Eucalyptus bridgesiana*, *Eucalyptus calophylla*, *Eucalyptus camaldulensis*, *Eucalyptus citriodora*, *Eucalyptus cladocalyx*, *Eucalyptus coccifera*, *Eucalyptus curtisii*, *Eucalyptus dalrympleana*, *Eucalyptus deglupta*, *Eucalyptus delagatensis*, *Eucalyptus diversicolor*, *Eucalyptus dunnii*, *Eucalyptus ficifolia*, *Eucalyptus globulus*, *Eucalyptus gomphocephala*, *Eucalyptus gunnii*, *Eucalyptus henryi*, *Eucalyptus laevopinea*, *Eucalyptus macarthurii*, *Eucalyptus macrorhyncha*, *Eucalyptus maculata*, *Eucalyptus marginata*, *Eucalyptus megacarpa*, *Eucalyptus melliodora*, *Eucalyptus nicholii*, *Eucalyptus nitens*, *Eucalyptus nova-anglica*, *Eucalyptus obliqua*, *Eucalyptus obtusiflora*, *Eucalyptus oreades*, *Eucalyptus pauciflora*, *Eucalyptus polybractea*, *Eucalyptus regnans*, *Eucalyptus resinifera*, *Eucalyptus robusta*, *Eucalyptus rudis*, *Eucalyptus saligna*, *Eucalyptus sideroxylon*, *Eucalyptus stuartiana*, *Eucalyptus tereticornis*, *Eucalyptus torelliana*, *Eucalyptus urnigera*, *Eucalyptus urophylla*, *Eucalyptus viminalis*, *Eucalyptus viridis*, *Eucalyptus wandoo* and *Eucalyptus youmanni*; and hybrids between any of the above species.